

Your computer grows with you...

Unlike many other personal computers, the VZ-200 can be expanded easily and (most importantly) at low cost. So it can grow to match your needs and experience.

16K RAM Expansion

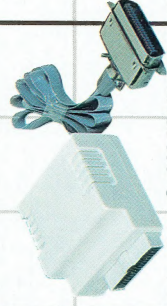
After a while you'll probably find yourself wanting to write programs that won't fit inside the VZ-200's generous 8K of internal RAM -- this happens with almost every computer, no matter how large its memory! But with the VZ-200 the remedy is simple: just plug in this memory expansion module, to give your computer a whopping 24K of total RAM memory. \$79.00



Cat X-7205

Printer Interface - Coming Soon...

For serious computing, you need to be able to get a printed 'hard copy' of both your programs and data. This low cost, compact module simply plugs into the back of your VZ-200 alongside the memory expansion module, and lets you connect it to any standard Centronics-type printer. Our low cost X-3250 printer is ideal!



Cat X-7210

\$49.50

Coming soon...

Further expansion items being developed for the VZ-200 system include joysticks for greater control when playing games, modules for even greater memory expansion and more serious programming, games cartridges, a serial communications interface and floppy disk interface. So as far as the VZ-200 hardware is concerned, the sky's the limit!

Plus, of course, there's lots more cassette software in the pipeline for both serious computing and recreation. Also further books and manuals, to help you get the greatest benefit from your VZ-200!

Technical Specifications

Processor: Z80A running at 3.58 MHz
Memory: ROM -- 16K bytes with BASIC interpreter and operating system RAM -- 8K bytes (2K for screen, 6K for user programs). Expandable to 24K with optional plug-in module.
BASIC: 8K Microsoft with 8K enhancements. Single precision floating point maths, all normal functions, 9 digit precision with 8 digits displayed or printed. Includes video cursor editing, single key command entry, COPY, PRINT, and other useful features.
Keyboard: Full size with 45 moving keys in modified typewriter format. Keys auto repeat after 1 second.

Screen

RF Output:

Video:

Sound:

Cassette Interface:

Power Supply:

Manuals Supplied:

Text Mode -- 32 columns by 16 lines. Upper case ASCII character set plus 16 graphics characters (accessible from keyboard) for 64 x 32 graphics. Also inverse alpharumerics. Graphics can have 8 different colours, with choice of 2 background colours. Graphics Mode -- 128 x 64 pixels, each individually addressable. 4 pixel colours, choice of two background colours.
Standard modulated RF signal on VHF channel 1. Cable supplied.
Composite video, 1.4V P-P with negative sync. 75 ohms impedance.
Inbuilt piezo speaker. Programmable music notes covering 2-1/2 octaves (30 notes) with 9 different note lengths. Speaker 'beeps' for key entries, software accessible for effects etc.
Connects to standard cassette tape recorder. Data storage rate 600 baud.
Approved 'plug-pack' supply, double insulated. Output 10V DC at 800 mA.
User Manual, BASIC Manual, book of sample programs.

Service

Before buying anything complex like a computer, you must consider carefully the after-sales backup for the machine. We here at Dick Smith Electronics are proud of our after sales service record. Right now we have 14 technicians, many factory trained, ready to quickly get your computer back into service. We have spent over \$100,000.00 for specialised test equipment alone. Don't let anyone kid you, you can't do the job properly any other way.

Speedy Phone - Bankcard Order Service

Just phone through your order and Bankcard details - it's so simple. (02) 888 2105
Order only on this number. Enquiries (02) 888 3200

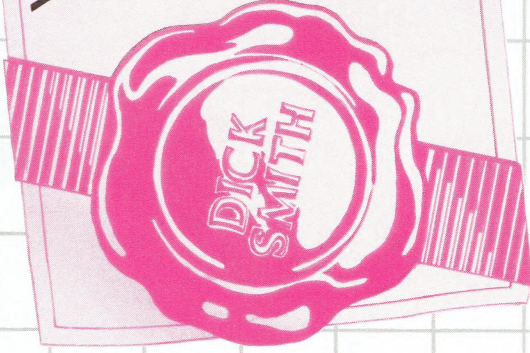


Your VZ-200 Guarantee . . .

With your VZ-200 Colour Computer, you get not one, but two guarantees! The first is our 7 day satisfaction guarantee: if you're not completely delighted you can return it (in original condition and packaging) for a full refund within 7 days of purchase!

And your VZ-200 is fully guaranteed against faulty workmanship or components for a period of three months from date of purchase.

With the VZ-200, you cannot lose!



Incredible price breakthrough! DICK SMITH VZ 200 personal colour computer \$199

READ WHAT THE EXPERTS SAY:
"Overall, this is a great little computer, and one that is likely to change the face of Australian personal computing."

And from the editor:
"I'm certainly going to buy one."


(May 1983 issue, Australian Personal Computer)

AND IT JUST ANY
PLUGS TV SET

DICK SMITH Electronics

HEAD OFFICE AND MAIL ORDER CENTRE: PO Box 321, NORTH RYDE, NSW 2113. TEL (02) 888 3200. **TELEX** 4420036 CABLES 'DICKSMITH, SYDNEY'

STATE	ADDRESS	POSTAL CODE	TELEPHONE	TELEX
NSW	Parramatta Rd & Melton St	640 0558		
ACT	George & Smith Sts	707 4888		
BLAKEHURST	6 Bridge Street	546 7144		
BONDI JCT	125 York Street	387 1444		
BROADWAY	Tamworth Arc & Kable Ave	211 3777		
BROOKVALE	173 Maitland Rd	93 0441		
CHULLORA	263 Kerra Street	642 8922		
GORE HILL	162 Hume Hwy	439 5311		
GOSFORD	315 Mann St	25 0235		
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TIGHE HILL	Gympie & Hamilton Rds	61 1886		
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FISHERICK	Ingham Rd & Cowley St West End	80 4944		
SA	Wright & Market Sts	383 4455		
ADLAIDE	Main South & Flagstaff Rds	783 9144		
DARLINGTON	Main North Rd	78 8766		
ENFIELD		280 0088		



look what it can do for you!

All the memory you're likely to need
EXPANDABLE
TO 24K RAM

A black and white photograph showing a man from the side, wearing glasses, looking at a vintage computer monitor. The monitor is a CRT type with a dark frame and two small square speakers on the top bezel. The screen displays a blurry, abstract image. To the right of the monitor is a keyboard with a numeric keypad. A hand is visible typing on the keyboard. The entire setup is on a desk.

① **Connect TV to mains**

② **Connect video cable to TV antenna socket**

③ **Connect computer to mains - via power supply - and You're in business**

**to mains - via
power supply - and
You're in business**

**power supply - and
You're in business**

**Built-in sound/music channel:
plays any note in 2-1/2 octave
range, with 9 different note
lengths for serious music
programming !**

System expansion connector to plug in the optional 16K memory cartridges

**8K bytes of RAM memory inbuilt -
2K for the screen, 6K for your
programs. More than enough
for most personal computing!**

Full colour graphics capability :
8 colours in medium resolution
(64 x 32) graphics / text mode, 4
colours in higher resolution (128
x 64) mode. Simple graphics
programming, too !

System expansion connector to plug in the optional 16K memory cartridges

Uses the famous Z-80 micro-processor, as found in computers many times the price. When combined with Microsoft BASIC, this gives you compatibility with an enormous amount of existing software.

Full colour graphics capability : 8 colours in medium resolution (64 x 32) graphics / text mode, 4 colours in higher resolution (128 x 64) mode. Simple graphics programming, too !

8K bytes of RAM memory inbuilt - 2K for the screen, 6K for your programs. More than enough for most personal computing !

Inbuilt is the powerful and standard 8K Microsoft BASIC Language, together with 8K of extra features to let you program colour, graphics, printing and cassette operations more conveniently.

Financial

PORTFOLIO MANAGEMENT: Like to invest in the share market? This program will help you to analyse and manage your portfolio for maximum profit and minimum risk. It gives you a working model of your portfolio, so you can see the likely effects of any changes.

More games coming soon...

Education

STATISTICS 1: An introduction to the basic principles of statistical analysis, using the scientific method. Describes the Mean, Variance, Standard Deviation, different types of Distribution etc. Gives you the opportunity to test your knowledge by working out examples.

CAT X-7262 **A** project liquidity. **RATIO ANALYSIS:** A program for the professional accountant, investment advisor or small business owner who doesn't want to stay small. Lets you work out comparisons of projects, companies or other investments on the basis of liquidity, leverage, management and profitability. **CAT X-7263**

STATISTICS II: Following on from the first book, this material gives the student a more in-depth understanding of the advanced concepts. Tests of statistical significance, Students' *t* test, Chi Square test, correlation coefficients and so on.

Crabz, 7252

ROULETTE. Three well-known games to amuse the kids (and quite a few adults as well). Slot machine pits you against a one arm bandit, but doesn't gobble up your 20¢ pieces. Knock off is also a game of chance, but it also improves your maths skills. Russian Roulette is a little like the real thing, except that